REZNOR®

ELECTRIC HEATING CATALOG

COMMERCIAL/INDUSTRIAL

TYPE

- Unit Heaters
- Explosion Resistant Unit Heaters
- Cabinet Heaters
- Wall Heaters
- Ceiling Heaters
- Portable Heaters

CAPACITIES

- 1 - 60 kW
- 200 - 3,000 CFM

Visit www.RezSpec.com for more information.

Form C-EH (Version G)

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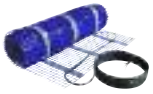	EFMA	Residential Floor Heating System	30
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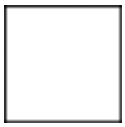
REZNOR®

COLOR Chart

Standard colors



White

Almond

Optional colors

Metallic Silver

Beige-Grey

Bronze

Metallic Charcoal

Textured Black

Aluminum

NOTE: Due to printing process, the colors represented here may vary from the actual color of the heaters. If you have a black & white printed copy of this catalog, you can view a color version online at www.RezSpec.com. Screen colors can also vary from the finished unit.

Reznor knows that your customers ask for heating products that blend into their decor. We are proud to introduce the most comprehensive selection of finishes and colors ever offered by any heating manufacturer. Our wide array of optional colors gives your customers added flexibility at standard color lead times.

Our standard corrosion and heat-resistant white and almond are at the top of the line of today's paint technology, maintaining that brand new look of your unit for years and years.

For those projects where a specific color is desired, you can choose from our custom color charts and get Reznor heaters exactly as you want them. We also offer the possibility of plating steel products and anodizing aluminum products. Just let go your imagination: there are no limits to the finish we can provide.

Unit Selection

Product number should include Model Number, Size, Voltage, Color, etc.

Example 1:
EGHB2AK2BA14IC11
Model EGHB, 2kW, 208V/1ph, Disconnect switch 40A, Built-in thermostat.

Example 2:
ECS5AK7EHK5
Model ECS, 5kW, 480V/3ph, Metallic Charcoal.

EGEB

Suspended, Electric Unit Heater

The EGEB provides flexibility with features mount on wall ceiling with the universal bracket. Integral thermostat, 2 heat selection and fan only operation.

factory *warehouse* *garage* *store* *shipping room*

Features

Color
- Standard: almond.

Finish
- Standard: Epoxy/polyester powder paint.

Voltage
- 208V, 240V, 277V, 347V, 480V, 600V, 1 or 3-phase.

Construction
- Draw-through design for more evenly heated air.
- Specially designed outlet diffuser provides maximum air velocity.
- Individually adjustable louvres to direct discharge air flow.
- High-limit temperature control with automatic reset.
- 18 and 20 gauge steel.

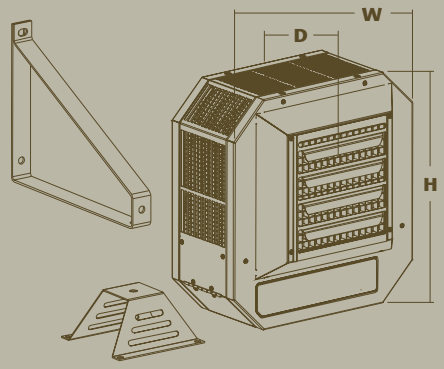
Fan
- Motor - totally enclosed - thermally protected.
- Motor mounted in ambient air stream, shielded from heating elements.
- Fan delay purges heater of residual heat for longer life.

Heating element
- Stainless steel sheath with aluminum fins.
- Draw-through design permits greater heat transfer.

Controls
- All models have factory installed contactor.
- 240V/208V control circuit standard on all models (with transformer if needed).
- Full line of unit mounted control accessories available (factory or field installed).

Installation
- Minimum mounting height:
  - USA 6 ft. (1.8 m);
  - Canada 8 ft. (2.4 m);
- Horizontal or vertical discharge air flow.
- Includes wall and ceiling mounting brackets (for horizontal discharge air flow).
- For vertical air flow 4 weld nuts (for threaded rod) provided in heater back.
- Large and easily accessible control compartment.

Warranty
- 5-year warranty against defects.



kW	in. (mm)		
	H	W	D
3-5	16 1/2 (419)	15 3/4 (400)	10 (254)
7.5-10	24 1/2 (622)	22 (559)	9 7/8 (251)
15-20	24 1/2 (622)	22 (559)	15 1/4 (387)

EGEB	Forced Air, Standard Duty Electric Unit Heater	Size	3	5	7	9	10	15	19	20
		kw	3	5	7.5	9.9	10	15	19.8	20
	cfm		310	310	625	625	625	950	1300	1300
	Shipping Weight (lbs)		39	39	59	59	59	76	76	76

Factory Installed Options

Size				3	5	7	9	10	15	19	20
Country Code	Canadian Destination – Approvals		BY15	✓	✓	✓	✓	✓	✓	✓	✓
	USA Destination – Approvals		BY16	✓	✓	✓	✓	✓	✓	✓	✓
Supply Voltage/Phase	208/1-3[C]		AK15	✓	✓	✓	✓	■	■	■	■
	208/3		AK5	■	■	■	■	■	✓	■	■
	240/1-3[C]		AK16	✓	✓	✓	■	✓	■	■	■
	240/3		AK6E	■	■	■	■	■	✓	✓	■
	277/1		AK4	✓	✓	✓	■	✓	■	■	■
	347/1		AK34	✓	✓	✓	■	✓	■	■	■
	480/1		AK9E	✓	✓	✓	■	■	■	■	■
	480/3		AK7E	✓	✓	✓	■	✓	✓	■	✓
	600/3		AK8E	✓	✓	✓	■	✓	✓	■	✓
Disconnect Switch	40A		BA14	✓	✓	✓	■	■	■	■	■
	80A		BA15	■	■	■	✓	✓	✓	✓	✓
Control Voltage	Supply Voltage	Control Voltage									
	208 to 600	208, 240	STD	✓	✓	✓	✓	✓	✓	✓	✓
	208 to 600	24	BT1	✓	✓	✓	✓	✓	✓	✓	✓
Internal thermostat 1-Stage (3 to 20kW)			IC11	✓	✓	✓	✓	✓	✓	✓	✓
Internal thermostat 2-Stage (15 and 20kW)			IC14	■	■	■	■	■	✓	✓	✓
Fan Controls	Unit mounted fan switch		BF4A	✓	✓	✓	✓	✓	✓	✓	✓
	Relay for 24V remote fan switch (by others). Required 24V control voltage.		BF5	✓	✓	✓	✓	✓	✓	✓	✓

[C] Units are field convertible from 1 to 3-phase.

Field Installed Options (Shipped Separately)

Size			3	5	7	9	10	15	19	20
Mounting accessories	Wall bracket for horizontal discharge	STD	✓	✓	✓	✓	✓	✓	✓	✓
	Ceiling bracket for horizontal discharge	STD	✓	✓	✓	✓	✓	✓	✓	✓
	Threaded rod inserts in back for vertical downblow (rod by others)	STD	✓	✓	✓	✓	✓	✓	✓	✓
Thermostats	Kit to field install (retrofit) built-in thermostat (specify the wattage of the unit)	IT13	✓	✓	✓	✓	✓	✓	✓	✓
	24V 40°F-80°F single stage wall thermostat	CL1A	✓	✓	✓	✓	✓	✓	✓	✓
	SPST single stage line voltage wall thermostat	CL5	✓	✓	✓	✓	✓	✓	✓	✓
Summer Fan Control Kits	Kit to field install BF4A fan switch for 277V units or less (3 to 5kW)	CH2A	✓	✓	■	■	■	■	■	■
	Kit to field install BF4B fan switch for units over 277V (3 to 5kW)	CH2B	✓	✓	■	■	■	■	■	■
	Kit to field install BF4C fan switch for 277V units or less (7.5 to 20kW)	CH2C	■	■	✓	✓	✓	✓	✓	✓
	Kit to field install BF4D fan switch for units over 277V (7.5 to 20kW)	CH2D	■	■	✓	✓	✓	✓	✓	✓
	Relay kit for 24V remote fans switch (by others) Requires 24V control voltage	IR3	✓	✓	✓	✓	✓	✓	✓	✓

EGHB

Heavy Duty, Suspended, Electric Unit Heater

For commercial and industrial use

Model EGHB is designed for areas requiring a high level of air flow. This unit heater may be mounted horizontally (wall or ceiling) using supplied brackets or vertically using 4 threaded rods (not included).

A variety of control options are available in kits or may be factory installed.

Application

showroom *warehouse* *stairwell* *factory*

Features

Color	– Standard: almond.
Finish	– Standard: epoxy/polyester powder paint.
Voltage	– 208V, 240V, 277V, 347V, 480V, 600V, 1 or 3-phase. – Some units may be converted from 3 to 1-phase.
Construction	– 18 and 20-gauge steel. – Adjustable louvers to direct air flow. – High-limit temperature control with automatic reset.
Fan	– Motor mounted in cold compartment. – Thermally-protected motor. – Totally enclosed and factory-lubricated ball bearing motor (except for 15 to 25 kW at 208V/240V). – 58 dBA fan (2-10 kW), 67 dBA fan (15-30 kW) and 77 dBA fan (40-60 kW). – Fan delay purges heater of residual heat. *(Any remote thermostat or relay must be connected to the heater control terminal block.)*
Heating element	– Durable tubular heating elements; stainless steel (2-10 kW); finned (15-60 kW). – Concentric disposition of heating elements.

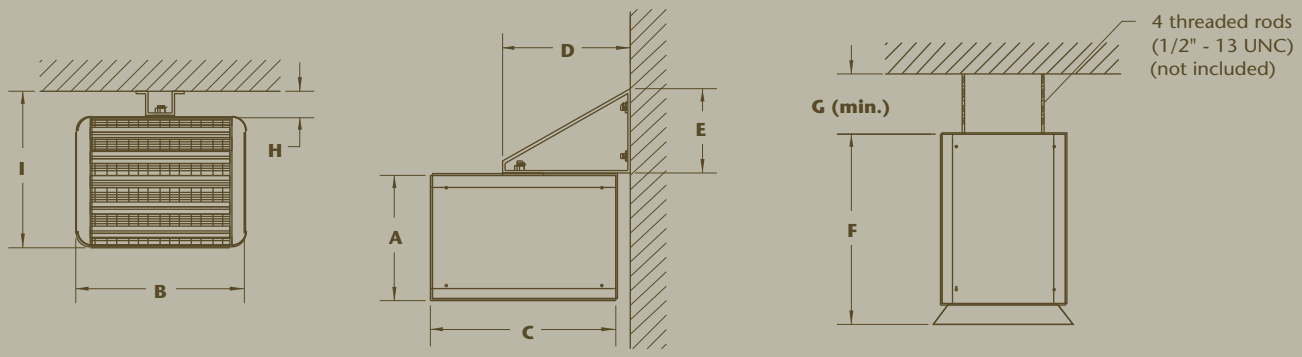
Features

Text – Text

Comments

Control	– All models have a factory-installed contactor. – 208V/240V control circuit standard (with transformer if necessary). – 24V relay, with or without transformer available. – Built-in thermostat available. – 120V control circuit available. *For greater comfort, it is highly recommended that a wall mounted thermostat be used.*
Installation	– Horizontal wall or ceiling mounting using 1 of 2 supplied brackets which allow 360° rotation*. – Vertical mounting using 4 threaded rods 1/2 in. X 13 UNC (not included). – Diffuser cones available. – Large and easily accessible control compartment. – Maximum recommended height (horizontal): 2-10 kW: 8 ft. (2.4 m); 15-30 kW: 10 ft. (3 m); 40-60 kW: 15 ft. (4.5 m). – Protective screen allows lower mounting height (except 40-60 kW). – Minimum height of 8 ft. (2.4 m) for 40-60 kW heaters. – 85 °F maximum operating temperature.
Warranty	– 1-year warranty against defects.

**Horizontal mounting only for 40, 50 and 60kw secured by 4 hooks (ceiling only).*



Dimension	2–10 kW		15–30 kW		40–60 kW	
	mm	in.	mm	in.	mm	in.
A	305	12	444	17 1/2	585	23
B	419	16 1/2	556	21 7/8	641	25 1/4
C	432	17	572	22 1/2	870	34 1/4
D	357	14 1/16	470	18 1/2	■	■
E	290	11 7/16	407	16	■	■
F	490	19 5/16	630	24 13/16	924	36 3/8
G	305	12	305	12	305	12
H	123	4 7/8	148	5 13/16	305	12
I	428	16 7/8	572	23 5/16	890	35

EGHB	Forced Air, Heavy Duty Electric Unit Heater	Size	2	3	4	5	7	10	15	20	25	30	40	50	60
		kW	2	3	4	5	7.5	10	15	20	25	30	40	50	60
	cfm		510	510	510	700	700	700	1350	1350	1350	1350	2000	2000	2000
	Shipping Weight (lbs)		45	45	45	45	45	45	85	85	85	85	150	150	150

Factory Installed Options

Size			2	3	4	5	7	10	15	20	25	30	40	50	60
Supply Voltage/Phase	208/1	AK2	✓	✓	✓	■	■	✓	✓	✓	✓	■	■	■	■
	208/3	AK5	✓	✓	✓	■	■	✓	✓	✓	✓	■	■	■	■
	208/3-1[A]	AK15	■	■	■	✓	✓	■	■	■	■	■	■	■	■
	240/1	AK3E	☆	✓	✓	■	■	■	✓	✓	✓	■	■	■	■
	240/3	AK6E	☆	✓	✓	■	■	■	✓	✓	✓	■	■	■	■
	240/3-1[A]	AK16	■	■	■	✓	✓	✓	■	■	■	■	■	■	■
	277/1	AK4	✓	✓	✓	✓	✓	✓	■	■	■	■	■	■	■
	347/1	AK34	✓	✓	✓	✓	✓	■	■	■	■	■	■	■	■
	480/1	AK9E	✓	✓	✓	✓	✓	✓	✓	✓	✓	■	■	■	■
	480/3	AK7E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	600/3	AK8E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Triple Pole Contactor (3 ph only)[B]		AN6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Disconnect Switch	40A	BA14	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	■	■
	80A	BA15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	100A	BA16	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Branch Circuit Fusing		BA12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Unit Mounted Summer Fan Switch		BF4A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Control Voltages	208V, 240V, 277V	STD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	24V relay with transformer [F]	BT1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	120V contactor with transformer	BT2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Manual High Limit		BD6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Internal Thermostat		IC11	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Size			2	3	4	5	7	10	15	20	25	30	40	50	60

[A] Units are field convertible from 3 to 1-phase.
[B] 2-pole contactor is standard with single and 3-phase units. 3-pole contactor may be required by some codes for 3-phase.
[D] 208V/240V fan motors are standard on higher voltage units. Units up to 30A have 2-pole contactor as standard equipment, units that draw more than 30A have a 3-pole contactor as standard.
[F] For single or multiple unit control.

REZNOR®

EGHB

Heavy Duty, Suspended, Electric Unit Heater

Field Installed Options (Shipped Separately)

Size			2	3	4	5	7	10	15	20	25	30	40	50	60
24V Relay Kit [G]	Without transformer	IR24	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	240V transformer [H]	IR2B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Unit Mounted Thermostat Kit [K]		IT13	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wall Mounted Thermostat	Single-pole, low-voltage thermostat [L]	CL1A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Single-pole, single stage thermostat	CL5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Vertical Cone Diffuser		CD70	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Size			2	3	4	5	7	10	15	20	25	30	40	50	60

[G] IR24: 24V signal by others (multiple units per thermostat). IR2B: For 24V thermostat on each unit.
[H] All heaters have a 240V control circuit unless otherwise specified.
[K] Field installed. Same thermostat as option IC11.
[L] CL1A thermostat requires option BT1.

Low-cost unit heater

Model EGW is ideal for workshops. This unit heater comes complete with mounting brackets for ceiling or wall installation.

EGW

Workshop, Suspended, Electric Unit Heater

garage *workshop*

Features

Color
- Standard: almond.

Finish
- Standard: epoxy/polyester powder paint.

Voltage
- 240V/208V, 1-phase.

Construction
- 20-gauge steel.
- Adjustable louvers to control warm air flow.
- High-limit temperature control with automatic reset.
- Electrical insulating mica plates.

Fan
- 300 cfm fan (51 dBA).
- Totally enclosed factory-lubricated motor.

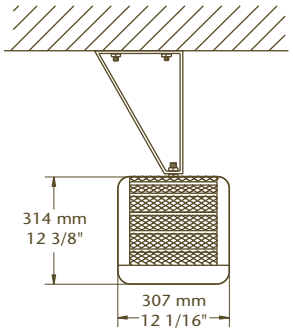
Heating element
- Stainless steel tubular heating element.

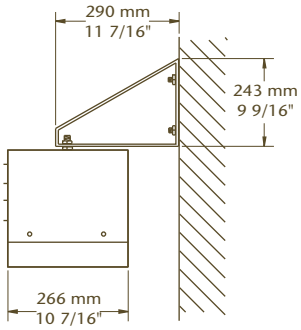
Control
- Built-in thermostat.
- Thermostat contact will remain open down to -31°F when set at its minimum.

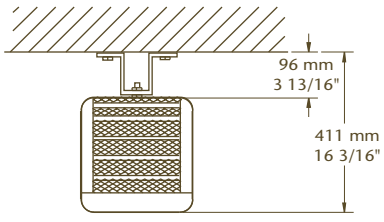
Installation
- Mounting brackets for ceiling or wall installation included.
- Mounting brackets allow 360° rotation of the unit.

Warranty
- 1-year warranty against defects.

EGW	Forced Air, Electric Workshop Heater	Size	2	3	5
		kW at 240V/1	2	3	5
		kW at 208V/1	1.5	2.25	3.75
	Weight (lbs)		20	20	20







EGP

Portable Heater with Wall Bracket

High-power economy model

The EGP portable heater is designed to provide a back-up heating source at an affordable price.

garage *construction site* *workshop*

Features

Color – Standard: almond.

Finish – Standard: epoxy/polyester powder paint.

Voltage – 240V, 1-phase.

Construction
- Handle may be used as a reel for the electric cable.
- 6 ft. (2 m) molded electric cable.
- High-limit temperature control with automatic reset.
- Electrical insulating mica plates.

Fan – 300 cfm fan.

Heating element – Stainless steel tubular heating element.

Temperature rise – 51 °F.

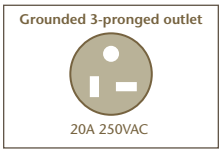
Control – Built-in thermostat.

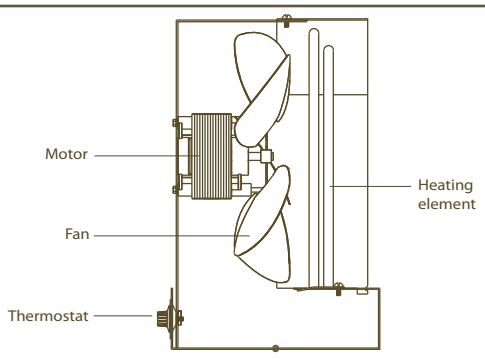
Installation
- Not for residential use in the United States.
- 4000W may be plugged into 3-pronged, 20A 250 VAC, 240V outlet.
- Mounting bracket for wall or ceiling installation included.
- Mounting bracket allow 360° rotation of the unit.

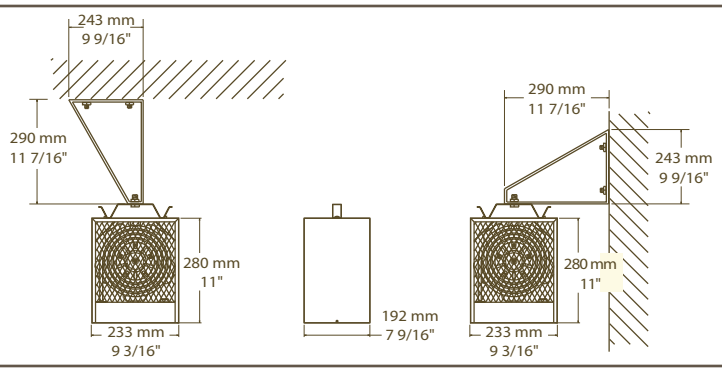
Warranty – 1-year warranty against defects.

EGP*	Portable Heater with Wall Bracket	Size	4
		kW at 240V/1	4
	Weight (lbs)		11

** Mounting bracket for wall or ceiling installation included.*







REZNOR®

For hazardous locations

Model EXUB explosion-proof unit heaters are designed for rugged industrial applications, especially in hazardous locations where there is always the possibility of explosion or fire due to the presence of flammable gases, vapors or dusts. A variety of mounting kits are available for field installation.

EXUB

Explosion Resistant Unit Heater

mining industry *refinery* *petrochemical plant* *chemical plant* *paint room*

Features

Color
- Standard: red.

Finish
- Epoxy/polyester powder paint.

Voltage
- 208V, 240V, 480V, 600V, 1 or 3-phase.

Construction
- 14-gauge steel cabinet.
- Adjustable anodized aluminum louvers.
- Cast aluminum control and element enclosure lids NEMA Type 7 and 9 with O-ring.

Protection
- High temperature pressure relief valve.
- Two high-limit temperature controls: one with automatic reset and one with manual reset.

Fan
- Explosion-proof, thermally protected, permanently lubricated ball-bearing motor.
- 5 to 20 kW: 1/4 HP, 1725 rpm.
- 25 to 30 kW: 1/2 HP, 1725 rpm.

Heat exchanger
- High grade metal-sheathed elements fins with ethylene glycol/water solution.
- Long-life, low watt density.
- Evacuated and sealed, carbon steel tube core with 10 aluminum fins per inch.
- Division System - T3B 165 °C (329 °F).
- Zone System - T3 200 °C (392 °F).

Temperature code
- T3B 165 °C (329 °F). Class I and II.

Control
- 120V control (standard).
- Optional 24V control.
- Optional built-in thermostat.

Installation
- Accessories available.

Warranty
- 3-year warranty against defects.

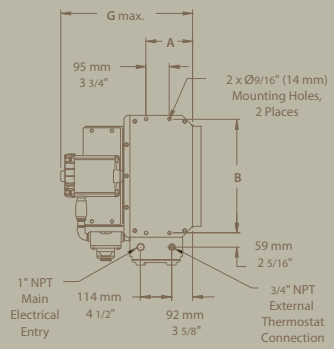
Approved Locations

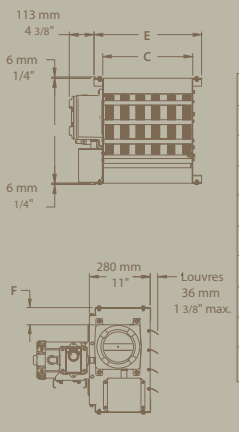
- Class I, Divisions 1 & 2, Groups C & D.
- Class II, Divisions 1 & 2, Groups F & G.
- Temperature code T3B.
- Class I, Zones 1 & 2, Groups IIA & IIB, T3

Temperature Limitations

Ambient temperature: -45 °C to 40 °C (-49 °C to 104 °F).

Maximum altitude ASL: 3048 m (10 000 ft.).





Heater Size	(5 to 10kW)	(15 to 20kW)	(25 to 30kW)
Dim.	in. (mm)	in. (mm)	in. (mm)
Fan	12" (305)	16" (406.4)	20" (508)
A	7.5 (190.5)	7.5 (190.5)	7.5 (190.5)
B	18.19 (462)	22.28 (566)	26.26 (667)
C	16.3 (414)	20.28 (515)	24.29 (617)
D	19 (483)	23 (584)	27 (686)
E	19.45 (494)	23.46 (596)	27.44 (697)
F	3.1 (79)	5.1 (130)	7.1 (180)
G	22.25 (565)	22.25 (565)	23.25 (591)

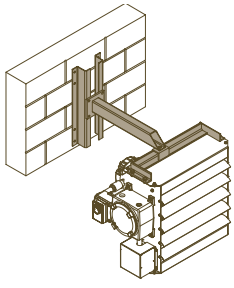
EXUB	Explosion Resistant Unit Heater	Size	5	7	10	15	20	25	30
		kW	5	7.5	10	15	20	25	30
	cfm		400	600	800	1200	1700	2100	3000
	Fan Motor HP		1/4	1/4	1/4	1/4	1/4	1/2	1/2
	Shipping Weight (lbs)		203	203	207	235	235	286	286

Factory Installed Options

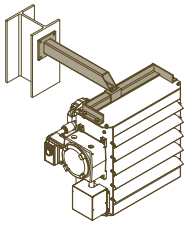
Supply Volt/Phase	208/1	AK2	✓	✓	■	■	■	■	■
	208/3	AK5	✓	✓	✓	✓	■	■	■
	240/1	AK3E	✓	✓	✓	■	■	■	■
	240/3	AK6E	✓	✓	✓	✓	■	■	■
	480/3	AK7E	✓	✓	✓	✓	✓	✓	✓
	600/3	AK8E	✓	✓	✓	✓	✓	✓	✓
Internal Thermostat		IX34	✓	✓	✓	✓	✓	✓	✓
Control Voltage	120V Controls	STD	✓	✓	✓	✓	✓	✓	✓
	24V Controls	BT1	✓	✓	✓	✓	✓	✓	✓
Factory Installed Disconnect Switch		BAX1	✓	✓	✓	✓	✓	✓	✓
Size			5	7	10	15	20	25	30

Field Installed Options (Shipped Separately)

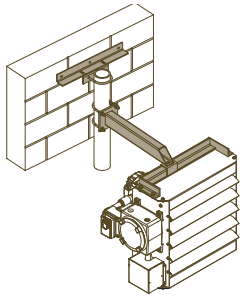
Size			5	7	10	15	20	25	30
Mounting Brackets	Pipe hanger brackets (1/2" pipe not included)	CK25	✓	✓	✓	✓	✓	✓	✓
	Wall mounting arm w/flange (bolt or weld to steel or concrete)	CK26	✓	✓	✓	✓	✓	✓	✓
	Wall mounting arm with Z supports (block wall)	CK27	✓	✓	✓	✓	✓	✓	✓
	Pole mounting arm (requires 3.5" OD pipe not included)	CK20	✓	✓	✓	✓	✓	✓	✓
	Shipping Weight (lbs)	CK25	5	5	5	5	5	5	5
		CK26	17	17	17	19	19	20	20
		CK27	24	24	24	26	26	27	27
		CK20	24	24	24	26	26	27	27
Explosion-Proof Wall Thermostat (40-80 °F)		CX1	✓	✓	✓	✓	✓	✓	✓
Explosion-Proof Wall Disconnect Switch		CPX1	✓	✓	✓	✓	✓	✓	✓



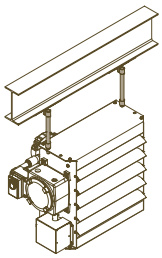
CK27: Wall Mounting Bracket
For use in buildings that have substantial walls. The Z sections provide additional support where necessary.



CK26: Basic Mounting Bracket
For applications where the support arm can be bolted or welded directly to structural steel or concrete.



CK20: Pipe Mounting Bracket
For buildings with insufficient strength to use other types of mounting brackets. Requires 3 in. pipe (3.5 in. O.D., min. Sch. 40, not supplied).



CK25: Hanging Mounting Bracket
Ideal and economical if adequate overhead structure exists. Requires 1/2 in. pipe, cut an threaded (min. Sch. 40 not supplied).

REZNOR®

The perfect heater for corrosive environments

The EWHB model washable unit heater is intended for use where large quantities of water are present or humidity levels are very high. The heater is specifically designed for environments where heating units may require flushing with water in the course of non-hazardous activities.

The non-metallic electrical casing and the stainless steel housing are completely resistant to moisture and corrosion.

EWHB

Wash Down Unit Heater

marine and offshore *water treatment plant* *dairy* *food industry* *car wash*

Features

Voltage
- 208V, 240V, 480V, 600V, 1 or 3-phase.

Construction
- 16-gauge, stainless steel, moisture and corrosion resistant housing.
- Adjustable, stainless steel outlet louvres.
- Stainless steel rear grille to protect against accidental contact with the fan blade.
- High-limit temperature control with automatic reset (manual reset available upon request).
- Nema 4X non-metallic electrical enclosure.
- Pilot light (power-on indicator) available.
- Disconnect switch (40A max.) available.

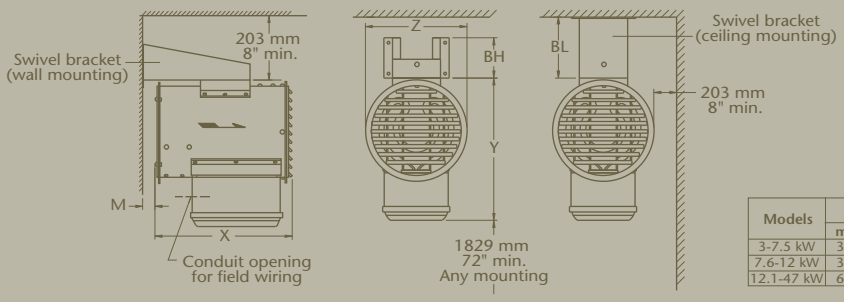
Fan
- Anodized aluminum, delayed-action fan.
- Enclosed motor with permanently lubricated ball bearing for longer life.
- Epoxy-painted fan.

Heating element
- Sealed tubular heating element with stainless steel fins.

Control
- 24V control circuit with transformer and contactor.
- Built-in capillary thermostat available.
- Fan switch control available.

Installation
- Electrical enclosure located at bottom of unit for ease of installation and servicing.
- Stainless steel swivel mounting bracket included, for wall or ceiling mounting.

Warranty
- 1-year warranty against defects.



Models	X		Y		Z		BH		BL		M	
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
3-7.5 kW	390	15 1/2	550	21 1/2	330	13	110	4 1/4	490	19 1/8	220	8 1/2
7.6-12 kW	390	15 1/2	550	21 1/2	330	13	110	4 1/4	490	19 1/8	220	8 1/2
12.1-47 kW	660	26	710	28	510	20	180	7 1/8	570	22 1/4	80	3 1/4

EWHB	Wash Down Unit Heater	Size	3	5	7	10	15	20	25	30	38
		kW	3	5	7.5	10	15	20	25	30	38.4
	cfm		700	700	700	1450	2400	2400	2400	2400	2400
	Fan Motor HP		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
	Shipping Weight (lbs)		70	70	70	70	130	130	130	130	130

Factory Installed Options

Size			3	5	7	10	15	20	25	30	38
Supply Voltage/Phase	208-1	AK2	✓	✓	✓	✓	✓	✓	✓	✓	✓
	208-3	AK5	✓	✓	✓	✓	✓	✓	✓	✓	✓
	240-1	AK3E	✓	✓	✓	✓	✓	✓	✓	✓	✓
	240-3	AK6E	✓	✓	✓	✓	✓	✓	✓	✓	✓
	480-3	AK7E	✓	✓	✓	✓	✓	✓	✓	✓	✓
Control Voltage 24V w/Contactor		STD	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fan Switch Unit Mounted, Watertight		BF4B	✓	✓	✓	✓	✓	✓	✓	✓	✓
Disconnect Switch Watertight, 600V, 3 Pole, 40A		BA5A	✓	✓	✓	✓	✓	✓	✓	✓	■
Thermostat Internal Watertight thermostat		IC18	✓	✓	✓	✓	✓	✓	✓	✓	✓

* Consult factory on availability when circuit exceeds 40 amps.

Field Installed Options (Shipped Separately)

Size		3	5	7	10	15	20	25	30	38
Wall Mount NEMA 4X Watertight, 40 °F to 100 °F range	CL5A	✓	✓	✓	✓	✓	✓	✓	✓	✓

REZNOR®

Air diffuser

Designed for ceiling mount, this unit heater provides a high level of comfort. Driven by a powerful motor, the fan creates circulation by blowing downward warm air accumulation near ceilings.

EC

Ceiling Electric Heaters

ECR
Recessed-Mounted

ECS
Surface-Mounted

apartment building *commercial building* *drop ceiling* *stairwell* *garage*

Features

Color
- Standard: white.
- Optional: almond, metallic silver, bronze, metallic charcoal, textured black, beige-grey, aluminum.

Finish
- Standard: epoxy/polyester powder paint.

Voltage
- 208V, 240V, 277V, 347V, 480V, 600V, 1 or 3-phase.

Construction
- Outlet grille made of flat ribbon wire.
- High-limit temperature control with automatic reset.

Fan
- Totally enclosed and lifetime-lubricated ball bearing motor.
- Fan delay purges heater of residual heat. (Any remote thermostat or relay must be connected to the heater control terminal block.)

Heating element
- Three stainless steel tubular heating elements with aluminum fins.

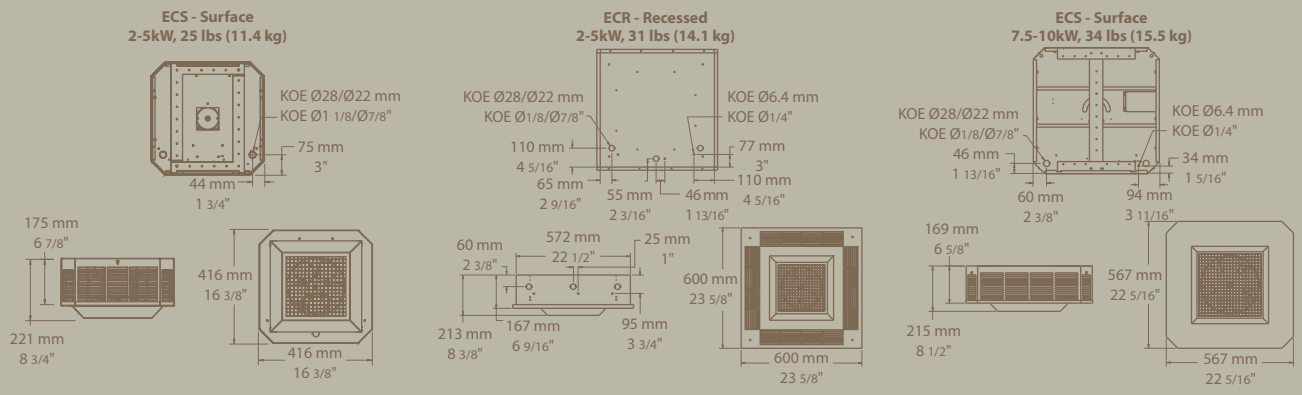
Control
- Built-in 240V contactor for:
  - all units at 347V, 480V, 600V,
  - all units from 5 to 10 kW,
  - all units at 3-phase.
- 24V and 120V control circuit available.
- Built-in tamperproof thermostat available.
- Relay (with or without transformer) available.
- Terminals for remote fan, 24V, includes pilot-on indicator light (Remote fan switch not included) (Opt. BB12).

Installation
- Recommended height: between 8 ft. (2.4 m) and 12 ft. (3.6 m).
- Recessed into insulated or T-bar ceiling for ECR units.
- Surface mounting for ECS units.

Warranty
- 1-year warranty against defects.
- 10-year warranty on heating element.

Standard

Optional



ECS	Ceiling Fan Heater – Forced Air Diffuser Ceiling Surface Mounted	Size	2	3	4	5	7	10
		kW	2	3	4	5	7.5	10
	cfm		450	450	450	450	700	700
	Shipping Weight (lbs)		25 or 31	25 or 31	25 or 31	25 or 31	34	34

ECR	Ceiling Fan Heater – Forced Air Diffuser Ceiling Recessed Mounted	Size	2	3	4	5	7	10
		kW	2	3	4	5	■	■
	cfm		450	450	450	450	■	■
	Shipping Weight (lbs)		31	31	31	31	■	■

Factory Installed Options

Size			2	3	4	5	7	10
Supply Voltage/Phase	208/1[N]	AK2	✓	✓	✓	✓	✓	✓
	208/3[N]	AK5	✓	✓	✓	✓	✓	✓
	240/1	AK3E	✓	✓	✓	✓	✓	✓
	240/3	AK6E	✓	✓	✓	✓	✓	✓
	277/1	AK4	✓	✓	✓	✓	✓	✓
	347/1	AK34	✓	✓	✓	✓	✓	✓
	480/1	AK9E	✓	✓	✓	✓	✓	✓
	480/3	AK7E	✓	✓	✓	✓	✓	✓
	600/1	AK10	✓	✓	✓	✓	✓	✓
	600/3	AK8E	✓	✓	✓	✓	✓	✓
Cabinet Color (Lead Times May Be Increased for Colors Other than White)	White (STD)	HK1	✓	✓	✓	✓	✓	✓
	Almond	HK2	✓	✓	✓	✓	✓	✓
	Metallic Silver	HK3	✓	✓	✓	✓	✓	✓
	Bronze	HK4	✓	✓	✓	✓	✓	✓
	Metallic Charcoal	HK5	✓	✓	✓	✓	✓	✓
	Textured Black	HK6	✓	✓	✓	✓	✓	✓
	Beige-Grey	HK7	✓	✓	✓	✓	✓	✓
	Aluminum	HK8	✓	✓	✓	✓	✓	✓
	Special Color	SPEC	Call for quote (volume order only)					
Control Voltage	208V, 240V, 277V[P]	STD	✓	✓	✓	✓	✓	✓
	24V Relay with Transformer	BT1	✓	✓	✓	✓	✓	✓
	120V Control Circuit	BT2	✓	✓	✓	✓	✓	✓
Internal Tamperproof Thermostat		IC15	✓	✓	✓	✓	✓	✓
Disconnect Switch	Up to 277V, 2-Pole, 20A	BA21	✓	✓	✓	✓	■	■
	600V, 3-Pole, 40A	BA14	✓	✓	✓	✓	✓	✓
	600V, 3-Pole, 80A	BA15	✓	3	✓	✓	✓	✓
Terminals for Remote Fan	Includes Pilot Light	BB12	✓	3	✓	✓	✓	✓
Size			2	3	4	5	7	10

[C] Remote fan switch not included.
[N] ECS10 is rated at 9.9kW at 208V
[P] 208V/240V is standard on all units except 277V/1. Contactors are standard on 3-phase units and single phase units 5kW and larger or over 300V.

REZNOR®

Field Installed Options (Shipped Separately)

Size			2	3	4	5	7	10
Wall Mounted Thermostat	Single-pole, low-voltage thermostat [L]	CL1A	✓	✓	✓	✓	✓	✓
	Single-pole, single-stage thermostat	CL5	✓	✓	✓	✓	✓	✓
24V Control Relay Kit [G]	Without Transformer	IR24	✓	✓	✓	✓	✓	✓
	240V/24V Transformer	IR2B	✓	✓	✓	✓	✓	✓
Adapter for T-Bar Ceiling[R]	For Model ECS up to 5kW Only	HY3	✓	✓	✓	✓	■	■

[G] IR24: 24V signal by others (multiple units per thermostat). IR2B: For 24V thermostat on each unit.
[L] CL1A thermostat requires option BT1.
[R] For surface mount model ECS only. Model ECR lays into T-bar grid, no adapter required.

EMC

Wall or Ceiling-Mounted, Cabinet Unit Heater

Universal mounting

Model EMC cabinet heater offers a wide range of power ratings, voltage and control options. Most installations benefit from the heater's custom advantages.

The cabinet heater can be mounted on the floor, wall or ceiling. It can also be recessed (wall or ceiling) as required.

The fans are powered by two-speed motors with permanently lubricated sleeve bearings for many years of trouble-free service.

The blower wheel is mounted directly on the motor shaft, which reduces the noise level. No belts or bearing blocks are required for the blowers.

Four cabinet sizes are available.

Standard

Optional

hallway *entry way* *exhibition center*

If you have a black & white printed catalog, you can view this page in color at www.RezSpec.com

Features

Color
- Standard: white.
- Optional: almond, metallic silver, bronze, metallic charcoal, textured black, beige-grey, aluminum.
- Custom colors available upon request.

Finish
- Standard: epoxy/polyester powder paint.

Voltage
- 208V, 240V, 277V, 347V, 480V, 600V, 1 or 3-phase.

Construction
- 18-gauge steel.
- Extruded aluminum bar grilles prevent insertion of foreign objects.
- Optional fresh air inlet damper.
- Optional air filters.
- High-limit temperature control with automatic reset.
- 240V control circuit included.

Fan
- Direct drive, variable speed squirrel-cage fan operating.
- Fan delay.
- 240V/208V factory-lubricated motor (1/15 HP).

Heating element
- Durable tubular heating element with fins.

Lengths
- Four cabinet lengths are available: 28 in. (711 mm), 48 in. (1219 mm), 66 in. (1676 mm), 80 in. (2032 mm).

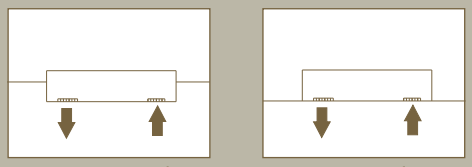
Control
- Wide range of control available.

For greater comfort, it is highly recommended that a wall mounted thermostat be used.

Installation
- Multi-position mounting (surface, semi-recessed, recessed).
- Maximum recommended installation height: 10 ft. (3 m).
- Recess trim kit available for recessed or semi-recessed units.
- Sub-base and special back plate available.

Warranty
- 1-year warranty against defects.

Ceiling



Semi-recessed | Recessed

HG12 type mounting only

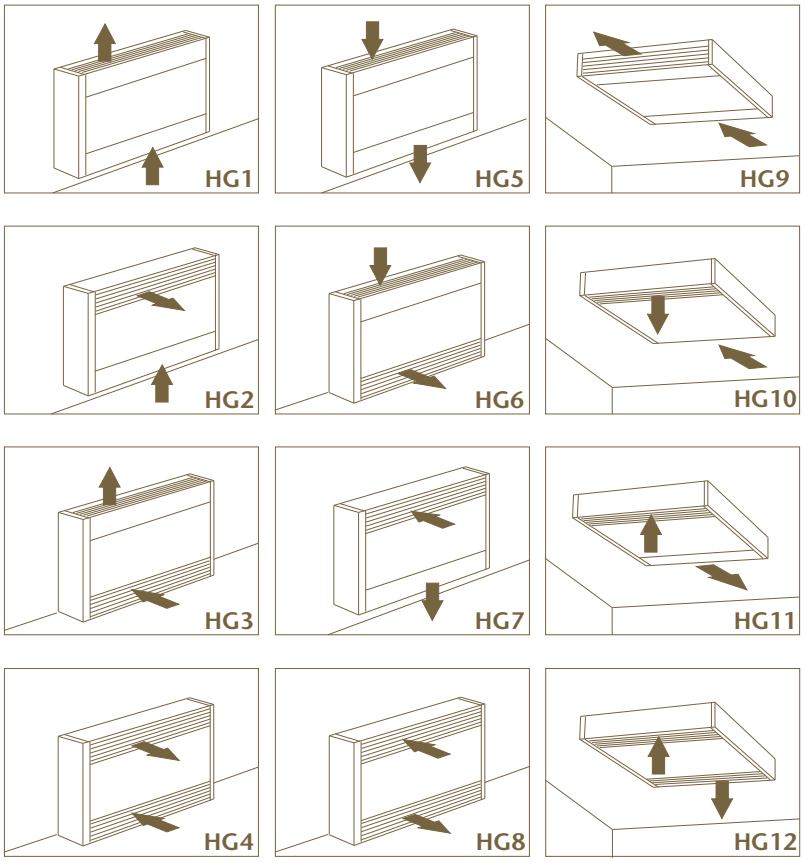
Wall

Semi-recessed | Recessed

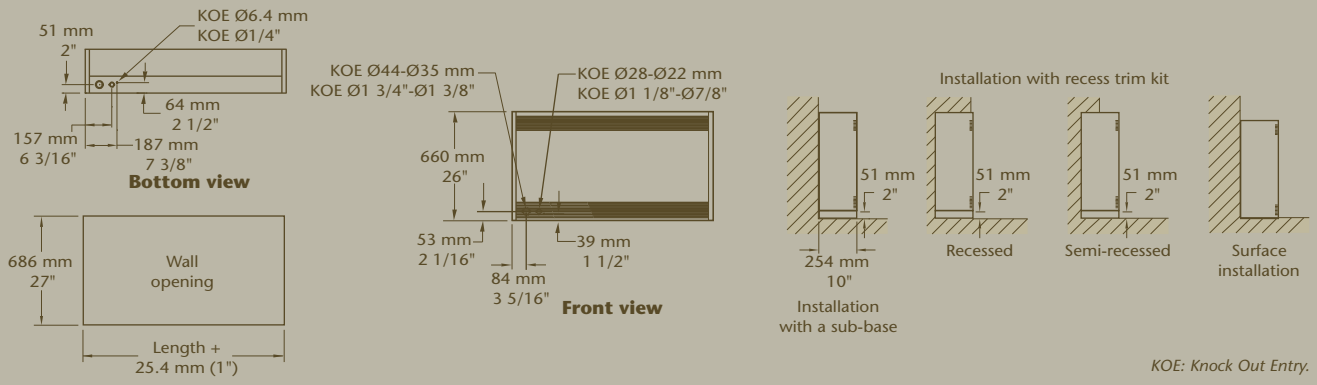
HG4, HG8 type mounting only

Inlet Air	Discharge Air	Wall Mount
Bottom	Top	HG1
Bottom	Upper front	HG2
Lower front	Top	HG3
Lower front	Upper front	HG4
Top	Bottom	HG5
Top	Lower front	HG6
Upper front	Bottom	HG7
Upper front	Lower Front	HG8
Inlet Air	**Discharge Air**	**Ceiling Mount**
Horizontal side	Horizontal side	HG9
Horizontal side	Vertical down	HG10
Vertical up	Horizontal side	HG11
Vertical up	Vertical down	HG12

Wall Mounted Up Air Flow Units | **Wall Mounted Down Air Flow Units** | **Ceiling Mounted Units**



HG4, HG8 and HG12: These are the only configurations allowed for a recessed or semi-recessed mounting installation.



KOE: Knock Out Entry.

			Size	2	3	4	5	6	8	10	12	15	18	20	24
EMC	Cabinet Unit Heater		kW	2	3	4	5	6	8	10	12	15	18	20	24
		cfm	Hi	250	250	250	250	250	500	500	500	750	750	1000	1000
			Lo	200	200	200	200	200	400	400	400	600	600	800	800
	Length (in.)			28	28	28	28	28	48	48	48	66	66	80	80
	Shipping Weight (lbs)			115	115	115	115	115	146	146	146	210	210	240	240

Factory Installed Options

Size			2	3	4	5	6	8	10	12	15	18	20	24
Supply Voltage/ Phase	208/1	AK2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	208/3	AK5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	240/1	AK3E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	240/3	AK6E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	277/1	AK4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	347/1	AK34	✓	✓	✓	✓	✓	✓	✓	✓	■	■	■	■
	480/1	AK9E	✓	✓	✓	✓	✓	✓	✓	✓	■	■	■	■
	480/3	AK7E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	600/1	AK10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	600/3	AK8E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cabinet Color (Lead Times May Be Increased for Colors Other than White)	White (STD)	HK1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Almond	HK2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Metallic Silver	HK3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Bronze	HK4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Metallic Charcoal	HK5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Textured Black	HK6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Beige-Grey	HK7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Aluminum	HK8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Special Color	SPEC	Call for quote (volume order only)											
Control Voltage	208V, 240V[A]	STD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	24V with Transformer	BT1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Unit Mounted Switches[T]	On/Off (Summer Shutdown) Switch	BF10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	On/Auto Fan Switch	BF23	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Hi/Low Fan/Heat Switch	BF24	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fresh Air Inlet[U]	with Manual Damper	ARB2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	with Motorized Damper	ARB4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Disconnect Switch	600V, Three Pole, 40A	BA14	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	600V, Three Pole, 80A	BA15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Branch Circuit Fusing		BA12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Manual High Limit		BD6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Internal Tamperproof Thermostat	1-Stage	IC15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Size			2	3	4	5	6	8	10	12	15	18	20	24

[A] Standard voltage is 208V/240V unless otherwise noted.
[T] Select appropriate relay to match unit mounted switches.
[U] Do not use with built-in thermostat.

REZNOR®

Field Installed Options (Shipped Separately)

Size			2	3	4	5	6	8	10	12	15	18	20	24
Wall Mounted Thermostat	Single-pole, low-voltage thermostat [L]	CL1A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Single-pole, single-stage thermostat	CL5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
24V Control Relay Kit [G]	Without transformer	IR24	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	24V relay with transformer [H]	IR2B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Filters (Wall Mounted Units Only)	Standard	HZ3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Washable	HZ4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sub-Base	2" sub-base for wall-mounted	HY7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Color Matched Trim Options	Recessed trim kit	HY4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Smooth finish back plate [X]	HY5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Size			2	3	4	5	6	8	10	12	15	18	20	24

[G] IR24: 24V signal by others (multiple units per thermostat). IR2B: For 24V thermostat on each unit.
[H] All heaters have a 240V control circuit.
[L] CL1A thermostat requires option BT1.
[X] For mounting heater on glass wall. Configurations HG3, HG4, HG6, HG8 only.

EHA

Architectural Wall Heater

Heavy duty elegance

Model EHA provides quick heat in areas affected by cold drafts.

Its corrosion-resistant aluminum front is offered in several colors.

The appearance of the overall finish will not change over time.

The control is hidden to avoid tampering.

Powered by a closed factory lubricated motor, the fan blows warm air downward to create air circulation.

Standard

Surface mounting box

Recessed

apartment building *commercial building* *entrance way* *stairwell* *garage*

If you have a black & white printed catalog, you can view this page in color at www.RezSpec.com

Features

Color
- Standard: white, almond, metallic silver, bronze, metallic charcoal, textured black, beige-grey, aluminum.
- Custom colors available upon request.

Finish
- Standard: epoxy/polyester powder paint.

Voltage
- 120V, 208V, 240V, 277V, 480V, 1-phase.

Construction
- Extruded aluminum front grille, 1/8 in. (3.2 mm) thick.
- Bottom air outlet.
- High-limit temperature control with automatic reset.

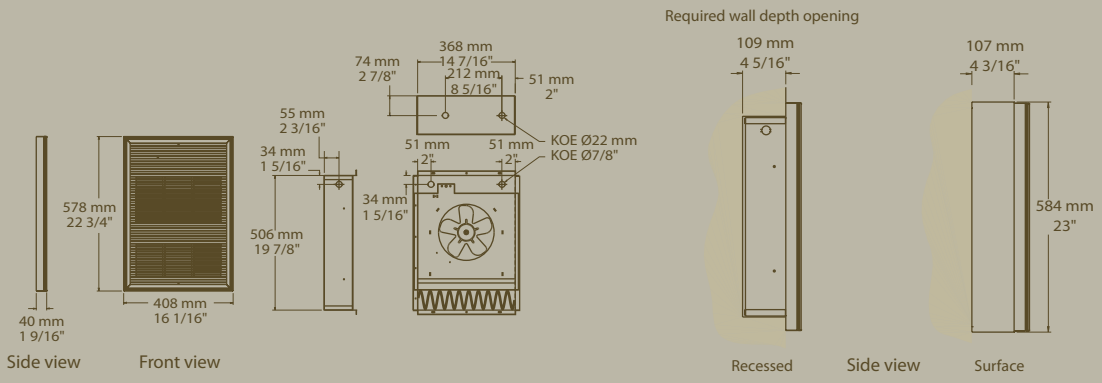
Fan
- Closed, factory-lubricated motor.
- 160 cfm fan (55 dBA).
- Fan delay purges heater of residual heat. (Any remote thermostat or relay must be connected to the heater control terminal block.)

Heating element
- Durable tubular heating element with fins.

Control
- Built-in tamperproof thermostat included.

Installation
- Adaptor for surface mounting available.
- Minimum clearance from the floor and adjacent walls: 10 in. (25.4 cm).

Warranty
- 1-year warranty against defects.



EHA	Architectural Wall Heater	Size	1	2	3	4	5
		kW[Y]	1.5	2	3	4	4.8
	Shipping Weight (lbs)		28	28	28	28	28

Factory Installed Options

Size			1	2	3	4	5
Supply Voltage/Phase	120/1	AK1E	✓	■	■	■	■
	208/1	AK2	■	✓	■	✓	✓
	240/1[Y]	AK3E	✓	✓	✓	✓	✓
	277/1	AK4	✓	✓	✓	✓	✓
	480/1	AK9E	✓	✓	✓	✓	✓
Cabinet Color (Lead Times May Be Increased for Colors Other than White)	White	HK1	✓	✓	✓	✓	✓
	Almond	HK2	✓	✓	✓	✓	✓
	Metallic Silver	HK3	✓	✓	✓	✓	✓
	Bronze	HK4	✓	✓	✓	✓	✓
	Metallic Charcoal	HK5	✓	✓	✓	✓	✓
	Textured Black	HK6	✓	✓	✓	✓	✓
	Beige-Grey	HK7	✓	✓	✓	✓	✓
	Aluminum	HK8	✓	✓	✓	✓	✓
	Special Color	SPEC	Call for quote (volume order, only)				
Thermostat	Built-it thermostat tamperproof thermostat (hidden)	STD	✓	✓	✓	✓	✓
Control Voltage	208V, 240V[S]	STD	✓	✓	✓	✓	✓
Unit Mounted Fan Switch		BF23	✓	✓	✓	✓	✓
Disconnect Switch	Up to 277V, 2-pole, 20A	BA21	✓	✓	✓	✓	✓
	600V max., 3-pole, 40A	BA14	✓	✓	✓	✓	✓
Size			1	2	3	4	5

[S] 208V/240V control (& fan motor) is standard on all units.
[Y] Units with option AK3E (240V supply voltage) can be connected to 208V power supply, but kW output will be reduced to amounts shown in table below.

Size	1	2	3	4	5
kW at 208V	1.125	1.5	2.25	3	3.6

Field Installed Options (Shipped Separately)

Size			1	2	3	4	5
Color Matched Trim Packages	Surface mounting box Req'd for non-recessed units	HY6	✓	✓	✓	✓	✓

EHC

Commercial, Wall-Mounted, Electric Heater

Cut down on cold drafts

Model EHC heater provides a burst of heat in areas affected by cold drafts. Designed for residential, commercial and industrial use, the unit can be recessed or surface-mounted.

Powered by a closed factory-lubricated motor, the fan blows warm air downward to create air circulation.

Standard

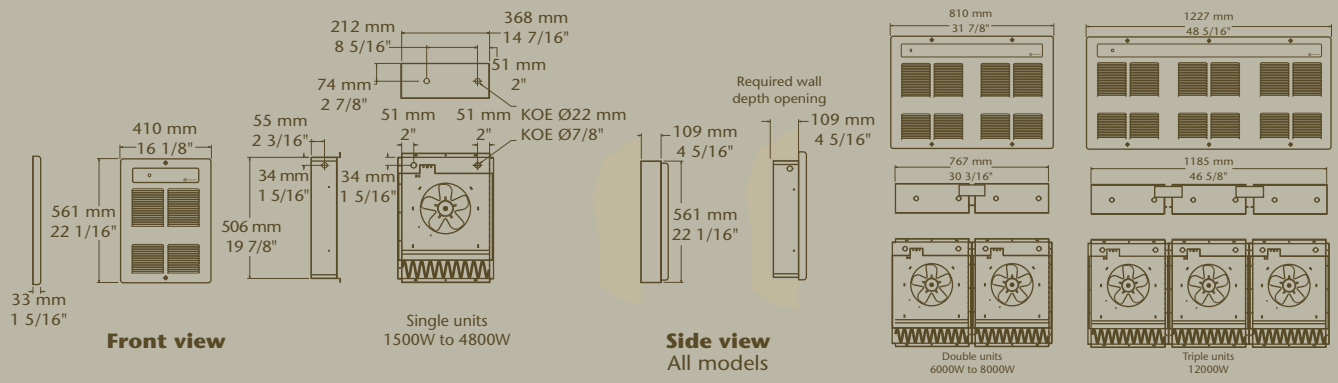
Optional

Recessed-Mounted

garage *apartment building* *commercial building* *entrance way* *stairwell*

Features

Color	– Standard: white. – Optional: almond. – Custom colors available upon request.
Finish	– Standard: epoxy/polyester powder paint.
Voltage	– 208V, 240V/208V, 277V, 347V, 480V, 600V, 1 or 3-phase.
Construction	– 18-gauge steel front cover. – Bottom air outlet. – High-limit temperature control with automatic reset.
Fan	– Closed, factory-lubricated motor. – 160 cfm fan (1.5 to 4.8 kW; 55 dBA); 2 X 160 cfm fan (6 to 8 kW; 58 dBA); 3 X 160 cfm fan (12 kW; 61 dBA). – Fan delay purges heater of residual heat. (Any remote thermostat or relay must be connected to the heater control terminal block.)
Heating element	– Durable tubular heating element with fins.
Control	– Built-in thermostat with control knob or tamper-proof adjustable with a screwdriver included.
Installation	– Adaptor for surface mounting available. – Minimum clearance from the floor and adjacent walls: 10 in. (25.4 cm).
Warranty	– 1-year warranty against defects.



EHC	Commercial Wall Heater	Size	1	2	3	4	5	6	8	12
		kW [Y]	1.5	2	3	4	4.8	6	8	12
	Shipping Weight (lbs)		24	24	24	24	24	50	50	90

Factory Installed Options

Size			1	2	3	4	5	6	8	12
Supply Voltage/Phase	120/1	AK1E	✓	■	■	■	■	■	■	■
	208/1	AK2	■	✓	■	✓	✓	■	✓	■
	208/3	AK5	■	■	■	■	■	■	■	✓
	240/1[Y]	AK3E	✓	✓	✓	✓	✓	✓	✓	✓
	240/3[Y]	AK6E	■	■	■	■	■	■	■	✓
	347/1	AK34	✓	✓	✓	✓	✓	✓	✓	✓
	277/1	AK4	✓	✓	✓	✓	✓	✓	✓	✓
	480/1	AK9E	✓	✓	✓	✓	✓	✓	✓	✓
	480/3	AK7E	■	■	■	■	■	■	■	✓
	600/1	AK10	✓	✓	✓	✓	✓	✓	✓	✓
	600/3	AK8E	■	■	■	■	■	■	■	✓
Cabinet Color	White (STD)	HK1	■	■	■	■	■	■	■	✓
	Almond	HK2	✓	✓	✓	✓	✓	✓	✓	✓
Thermostat	Built-in thermostat Combination with knob or tamperproof (hidden)	STD	✓	✓	✓	✓	✓	✓	✓	✓
Control Voltage	208V, 240V[S]	STD	✓	✓	✓	✓	✓	✓	✓	✓
Unit Mounted Fan Switch		BF23	✓	✓	✓	✓	✓	✓	✓	✓
Disconnect Switch	Up to 277V, 2-pole, 20A	BA21	✓	✓	✓	✓	✓	✓	✓	✓
	600V, 3-pole, 40A	BA14	✓	✓	✓	✓	✓	✓	✓	✓
	600V, 3-pole, 80A	BA15	✓	✓	✓	✓	✓	✓	✓	✓

[S] 208V/240V control (& fan motor) is standard on all units.
[Y] Units with option AK3E and AK6E (240V supply voltage) can be connected to 208V power supply, but kW output will be reduced to amounts shown in table below.

Size	1	2	3	4	5	6	8	12
kW at 208V	1.125	1.5	2.25	3	3.6	4.5	6	9

Field Installed Options (Shipped Separately)

Size			1	2	3	4	5	6	8	12
Color Matched Trim Packages	Surface mounting box Req'd for non-recessed units	HY6	✓	✓	✓	✓	✓	✓	✓	✓
	1" recessed trim kit	HY4A	✓	✓	✓	✓	✓	✓	✓	✓
	2" recessed trim kit	HY4B	✓	✓	✓	✓	✓	✓	✓	✓

EHL

Residential Wall Heater

Compact, multi-purpose heater

Model EHL heater is designed for areas where space is limited. Four mounting positions are available (see picture below).

This high-efficiency heater is equipped with a silent axial fan that blows air over a durable tubular heating element with fins producing warm air circulation throughout the room.

The clean lines and rounded corners on the heater will match perfectly with all interior styles.

Standard ☐

Surface mounting box

Recessed

hallway *basement* *kitchen* *bathroom* *stairwell*

Features

Color
- Standard: white.
- Optional and custom colors available upon request.

Finish
- Standard: epoxy/polyester powder paint.

Voltage
- 120V, 240V, 1-phase.

Construction
- 20-gauge steel cabinet.
- 22-gauge steel front cover.
- High-limit temperature control with automatic reset.
- Optional disconnect switch 277V max. 20A (factory installed).

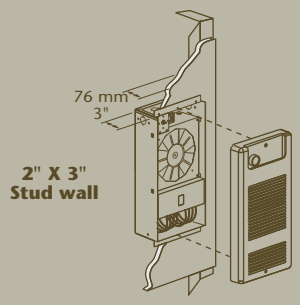
Fan
- Quiet fan operating at 38 dBA (1000W; 40 cfm fan) and 41.3 dBA (1500W to 2000W; 80 cfm fan).
- Factory-lubricated motor.

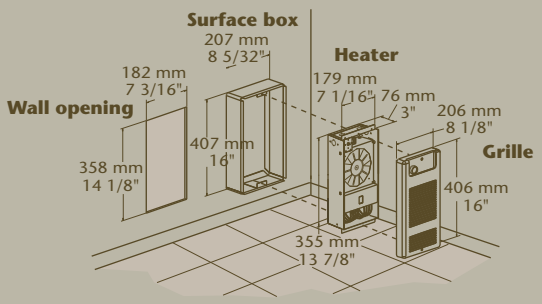
Heating element
- Durable tubular heating element with fins.

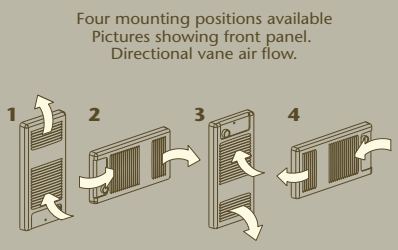
Control
- Built-in thermostat with a control knob in option.

Installation
- The air outlet should be installed 10 in. (25.4 cm) above linoleum floor.
- Large wiring compartment.
- May be recessed in 2 in. X 3 in. stud partitions.
- Surface mounting box available.
- Quick installation with recess box mounting holes.
- Tight fit with V-shaped recess box.
- Optional surface mounting box available.

Warranty
- 1-year warranty against defects.







EHL	Residential Wall Heater	Size	1000	1500	2000
		kW	1	1.5	2
	Shipping Weight (lbs)		9	9	9

Factory Installed Options

Size			1000	1500	2000
Country Code	Canadian Destination – Approvals	BY15	✓	✓	✓
	USA Destination – Approvals	BY16	✓	✓	✓
Supply Voltage/Phase	120/1	AK1E	✓	✓	■
	240/1[Y]	AK3E	✓	✓	✓
Cabinet Color	White (STD)	HK1	✓	✓	✓
	Almond	HK2	✓	✓	✓
Thermostat	Thermostat with a control knob	ICI5	✓	✓	✓
Disconnect Switch	277V max., 20A	BA21	✓	✓	✓

[Y] Units with option AK3E (240V supply voltage) can be connected to 208V power supply, but kW output will be reduced to amounts shown in table below.

Size	1000	1500	2000
kW at 208V	0.75	1.125	1.5

Field Installed Options (Shipped Separately)

Size			1000	1500	2000
Color Matched Trim Packages	Surface mounting box Req'd for non-recessed units	HY6	✓	✓	✓

EBHA

Electric Baseboard Heater

A distinctive style

Model EBHA baseboard heater is more compact than any other heater on the market while offering a high level of performance and strength.

Trim lines enhance the appearance of this unique heater. Rounded corners and edges make it safe for toddlers.

In addition, the heater's reduced height eliminates the use of a furring strip at the base of the wall during installation.

Standard

Optional

kitchen *living room* *bedroom* *basement* *utility room*

The optional built-in thermostat can be easily installed at either end.

A large access compartment and a single-screw connector allow more flexibility when connecting the baseboard.

Features

Color
- Standard: white, almond
- Optional and custom colors available upon request.

Finish
- Standard: epoxy/polyester powder paint.
- May be repainted with any interior paint.

Voltage
- 120V, 208V, 240/208V, 277V, 1-phase.

Construction
- 20-gauge steel connection box.
- 22-gauge steel body.
- 20-gauge front panel.
- Rounded upper corners.
- Linear high-limit temperature control with automatic reset.

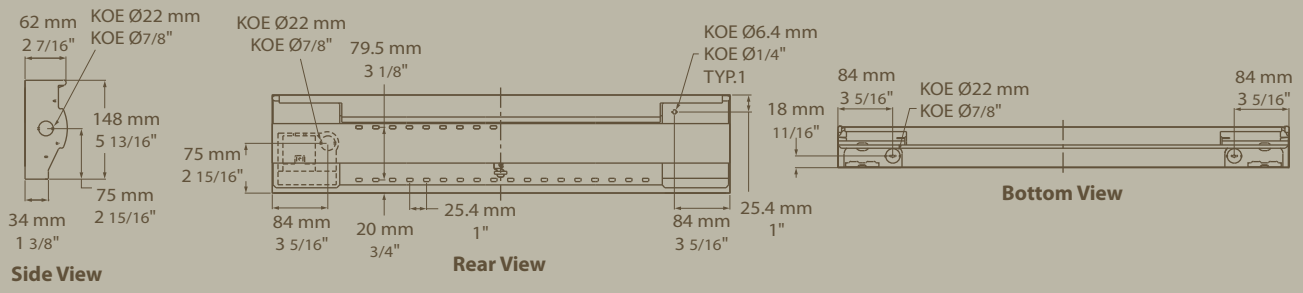
Heating element
- Steel tubular heating element with aluminum fins.
- Floating heating element on high-temperature nylon bushings, eliminating expansion noises.

Controls
- A wide selection of built-in thermostats available.
- Built-in thermostat kit can be installed at either end.
- Built-in relay kits fits in the right end box only.
- A low/high voltage separator plate (included with low voltage relay kit) must be added with installing low voltage relay in electric baseboard.

Installation
- Connection box at both ends of the heater.
- Installation directly on the floor.
- Single-screw built-n wire holder.
- Raceway for easier installation.
- Two rows of mounting holes spaced on 1 in. (25.4mm) intervals for ease of installation.
- Variety of accessories available for wall-to-wall instalation.

Warranty
- Lifetime warranty on the electric heating element applies to the original owner.
- 1-year warranty against defects on all other components.

A wall thermostat is highly recommended for greater comfort.



EBHA	Baseboard Heater	Size	3	5	8	10	13	15	18	20	23[AA]	25[AA]
		Watts [Z]	300	500	750	1000	1250	1500	1750	2000	2250	2500
	Shipping Weight (lbs)		4.5	5.5	7.3	9.0	10.5	12.0	13.5	15.0	16.5	18.0
	Length (in.)		22-5/16	27-13/16	37-3/16	47-1/2	57	65-11/16	75	83-13/16	92-5/8	101-13/16

Factory Installed Options

Size			3	5	8	10	13	15	18	20	23[AA]	25[AA]
Supply Voltage/ Phase	120/1	AK1E	✓	✓	✓	✓	✓	✓	■	■	■	■
	208/1	AK2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	240/1 [Z]	AK3E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cabinet Color	White epoxy/polyester finish	HK1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Almond epoxy/polyester finish	HK2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Special Color	SPEC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Relays (Single Pole)	Coil 24V, with transformer, 120V/24V, at 120V (2-wire only)	IRT1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Coil 24V, with transformer 208V/24V at 208V	IRT2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Coil 24V, with transformer 240V/24V, 22A at 240V	IRT3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Elevation	Up to 5,000 feet	AB15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Over 5,000 feet (CO, MT, NM, WY, UT)	AB16	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Disconnect Switch	20A at 277 max	BA21	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Size			3	5	8	10	13	15	18	20	23[AA]	25[AA]

Field Installed Options (Shipped Separately)

Size			3	5	8	10	13	15	18	20	23[AA]	25[AA]
Disconnect Switch [CC]	20A at 277 max	CP90	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Unit Mounted Thermostat [CC]	Single-pole thermostat with knob	IT14	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Double-pole thermostat with knob	IT15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Single-pole tamperproof thermostat	IT16	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Double-pole tamperproof thermostat	IT17	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wall Mounted Thermostat	Line voltage thermostat, single-pole, single throw	CL5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Line voltage thermostat, double-pole, single throw	CL5D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Size			3	5	8	10	13	15	18	20	23[AA]	25[AA]

[Z] kW is 25% less when wired for 208V (see table below).

[Z] Size	3	5	8	10	13	15	18	20	23aa	25aa
240V/208V Watts	300/225	500/375	750/563	1000/750	1250/938	1500/1125	1750/1313	2000/1500	2250/1688	2500/1875

[AA] These models must be ordered in pairs to minimize shipping damage.
[BB] Available with Low Density Models only.
cc Disconnect switches and thermostats can be factory installed for volume orders of 25 or more units.

EFMA

Electric In-Floor Radiant Heating System

The comfort of invisible heating

The in-floor heating system provides comfort and well-being through radiant heating. By heating the floor itself instead of the surrounding air, the system provides indirect heat that radiates from the floor up and is absorbed by surrounding objects, warming the entire room. An integrated heating system, Model EFMA produces enveloping heat that is also clean, cost-effective, uniform, and constant.

Whether it is used for additional comfort or as a primary heat source, Model EFMA is a safe and "green" heating solution that harnesses the benefits of radiant heating, a process that occurs naturally in nature and has long been under-utilized in the industry.

Floor sensor included

Floor warming for ceramic floors in kitchen, bathroom (including shower), hallway, and even staircases.
Radiant floor heating as a room's primary heat source in kitchen, bathroom and hallway

Features

Voltage
- 120V, 240/208V, 1-phase.

Construction
- Heating cable made of a twin conductor for better mechanical resistance and negligible magnetic field in a protective PVC sheat fastened to an adhesive fiberglass mat with a cold lead of 13' 6" (4.2m).

Watt density
- 3" (76mm) spacing: 12W/sq. ft. (130W/sq. m).

Dimension
- Mats can be 16 in. (0.41m) or 32 in. (0.81m) wide with 16 different lengths from which to choose.

Floor sensor
- 15' (4.6m) floor sensor.

Control
- Non programmable electronic thermostat with backlight (120V or 240/208V) sold separately.
- Programmable electronic thermostat with backlight (120V or 240/208V) sold separately.

Installation
- **Never cut or shorten the heating cable.**
- For indoor residential applications only.
- On concrete slab or plywood subfloor.

Warranty
- 25-year warranty on heating wire.
- 1-year warranty on thermostat.

Size				85	120	150	170	240	300	360	420	475
EFMA	Thermal Watts			85	120	150	170	240	300	360	420	475
	Floor Heating System	16" wide x__	LNG1	6'	7' 6"	10'	11' 6"	15'	19'	22' 6"	26' 6"	30'
		32" wide x__	LNG2	■	■	■	■	■	■	■	■	■
		Sq. Ft.		8	10	13	15	20	25	30	35	40

Size				600	720	840	960	1080	1200	1440	1600	1920
EFMA	Thermal Watts			600	720	840	960	1080	1200	1440	1600	1920
	Floor Heating System	16" wide x__	LNG1	37' 6"	45'	52' 6"	60'	67' 6"	75'	90'	105'	120'
		32" wide x__	LNG2	■	■	26' 3"	30'	33' 9"	37' 6"	45'	52'-6"	60'
		Sq. Ft.		50	60	70	80	90	100	120	140	160

Factory Installed Options

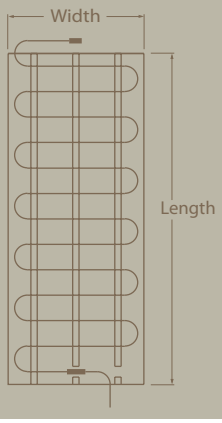
Size				85	120	150	170	240	300	360	420	475	600	720	840	960	1080	1200	1440	1600	1920
Supply Voltage/ Phase	120/1		AK1E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	■	■	■	■	■
	240/1	DD	AK3E	■	■	■	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

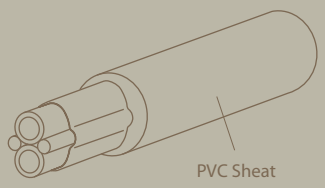
Field Installed Options

Size		All Sizes
Cable Check - Electrical Fault Indicator	LRM4	✓
Repair Kit	CRN4	✓

DD 208V is 75% of the wattage of the 240V.

REZNOR®





Floor Heating, Back-Light, Electronic Thermostats

Non-Programmable Thermostat

Programmable Thermostat

Electronic thermostats are specifically designed to regulate in-floor heating systems.

They feature a sensor to regulate and maintain floor or room temperature to within ± 1 °F of the setpoint. Designed for maximum safety, they include a ground-fault circuit interrupter (GFCI), which is strongly recommended for all rooms with heated floors.

To facilitate temperature control, the digital display indicates floor temperature at all times. A single touch activates the backlight display and indicates setpoint.

Features

Type – Floor heating thermostat with LED backlight.

Color – White.

Voltage – 120V or 240V, battery-free setpoint temperature recorded permanently.

Control
- Setpoint temperature precision within ± 1 °F.
- Temperature monitoring occurs 240 times per hour.
- **Multiple Control**: for large heating applications, up to 5 heating sections can be controlled by a single thermostat *EE*.

T° range
- 40 °F to 104 °F.
- Vacation setpoint: 50 °F

Display
- Digital display of floor temperature (°C or °F) heating level indicator. Ground fault interrupter included for safety with GCFI test light.
- On/standby switch to enable thermostat shutdown.

Installation – 4-wire thermostat.

Warranty – 1-year warranty against defects.

		Option Code	All Sizes
Non-Programmable Thermostat *FF*	5 mA with built-in GFCI	CLD1	✓
	15 mA with built-in GFCI	CLD2	✓
Programmable Thermostat *FF*	5 mA with built-in GFCI	CLD3	✓
	15 mA with built-in GFCI	CLD4	✓
Multiple Heater Control *EE*		CLE1	✓

EE A single thermostat (Option CLD_) can control up to 5 heating sections. Each separate heating section requires a subordinate control device (Option CLE1).

FF The use of the 5 mA or the 15 mA ground fault circuit interrupter is dictated by the application and/or building codes. The 5 mA is typically used where people are involved such as a bathroom; the 15 mA for circuit protection. Consult your local code inspector for additional information.

	CL5*	Wall mounted, single-pole, single stage thermostat	5, 8, 17, 21
	CL1A*	Wall mounted, single-pole, low-voltage thermostat	5, 8, 17, 21
	CX1	Explosion-proof wall thermostat, 40-80 °F	12

* Except for Model EXUB.

Power kW	Voltage (ph)												
	120V (1)	208V (1)	208V (3)	240V (1)	240V (3)	277V (1)	347V (1)	416V (1)	416V (3)	480V (1)	480V (3)	600V (1)	600V (3)
0.3	2.50	1.45	0.83	1.25	0.72	1.09	0.87	0.73	0.42	0.63	0.36	0.50	0.29
0.4	3.34	1.92	1.11	1.67	0.97	1.45	1.16	0.97	0.56	0.84	0.49	0.67	0.39
0.5	4.17	2.41	1.39	2.09	1.21	1.81	1.44	1.21	0.70	1.05	0.61	0.84	0.49
0.6	5.00	2.89	1.66	2.50	1.45	2.17	1.73	1.45	0.84	1.25	0.72	1.00	0.58
0.75	6.25	3.61	2.09	3.13	1.81	2.71	2.17	1.81	1.05	1.57	0.91	1.25	0.72
0.8	6.67	3.85	2.23	3.34	1.93	2.89	2.31	1.93	1.12	1.67	0.97	1.34	0.77
1.0	8.34	4.81	2.78	4.17	2.41	3.61	2.89	2.41	1.39	2.09	1.21	1.67	0.97
1.2	10.00	5.77	3.34	5.00	2.89	4.34	3.46	2.89	1.67	2.50	1.45	2.00	1.16
1.25	10.42	6.01	3.47	5.21	3.01	4.52	3.61	3.01	1.74	2.61	1.51	2.09	1.21
1.4	11.67	6.73	3.89	5.84	3.38	5.06	4.04	3.37	1.95	2.92	1.40	2.34	1.35
1.5	12.50	7.22	4.17	6.25	3.61	5.42	4.33	3.61	2.09	3.13	1.81	2.50	1.45
1.6	13.34	7.70	4.45	6.67	3.86	5.78	4.61	3.85	2.23	3.34	1.93	2.67	1.54
1.75	14.59	8.42	4.87	7.30	4.22	6.32	5.05	4.21	2.43	3.65	2.11	2.92	1.69
2.0	16.67	9.62	5.56	8.34	4.82	7.22	5.77	4.81	2.78	4.17	2.41	3.34	1.93
2.25	18.75	10.82	6.25	9.38	5.42	8.13	6.49	5.41	3.13	4.69	2.71	3.75	2.17
2.5	20.84	12.02	6.95	10.42	6.02	9.03	7.21	6.01	3.47	5.21	3.01	4.17	2.41
3.0	25.00	14.43	8.34	12.50	7.23	10.83	8.65	7.22	4.17	6.25	3.61	5.00	2.89
4.0	33.34	19.23	11.12	16.67	9.64	14.44	11.53	9.62	5.56	8.34	4.82	6.67	3.86
4.5	37.50	21.64	12.50	18.75	10.84	16.25	12.97	10.82	6.25	9.38	5.42	7.50	4.34
5.0	41.67	24.04	13.90	20.84	12.05	18.05	14.41	12.02	6.95	10.42	6.02	8.34	4.82
6.0	50.00	28.85	16.68	25.00	14.45	21.66	17.30	14.43	8.34	12.50	7.23	10.00	5.78
7.5	62.50	36.06	20.84	31.25	18.06	27.08	21.62	18.03	10.42	15.63	9.03	12.50	7.23
8.0	66.67	38.47	22.23	33.34	19.27	28.88	23.06	19.23	11.12	16.67	9.64	13.34	7.71
9.0	75.00	43.27	25.01	37.50	21.68	32.49	25.94	21.64	12.51	18.75	10.84	15.00	8.67
10.0	83.34	48.08	27.79	41.67	24.09	36.11	28.82	24.04	13.90	20.84	12.05	16.67	9.64
12.0	100.00	57.70	33.25	50.00	28.90	43.33	34.59	28.85	16.68	25.00	14.45	20.00	11.56
14.0	116.67	67.31	38.91	58.33	33.72	50.54	40.35	33.65	19.45	29.17	16.86	23.33	13.49
15.0	125.00	72.12	41.69	62.50	36.13	54.16	43.23	36.06	20.84	31.25	18.06	25.00	14.45
18.0	150.00	86.54	50.02	75.00	43.35	64.99	51.88	43.27	25.01	37.50	21.68	30.00	17.34
20.0	166.67	96.16	55.58	83.34	48.17	72.21	57.64	48.00	27.75	41.67	24.09	33.34	19.27
24.0	200.00	115.39	66.69	100.00	57.80	86.65	69.17	57.70	33.35	50.00	28.90	40.00	23.12
25.0	208.34	120.20	69.48	104.17	60.21	90.26	72.05	60.10	34.74	52.09	30.11	41.67	24.09
30.0	250.00	144.23	83.37	125.00	72.25	108.31	86.46	72.12	41.69	62.50	36.13	50.00	28.90
35.0	291.67	168.27	97.27	145.84	84.30	126.36	100.87	84.14	48.64	72.92	42.15	58.34	33.72
40.0	333.34	192.31	111.16	166.67	96.34	144.41	115.28	96.16	55.58	83.34	48.17	66.67	38.54
45.0	375.00	216.35	125.06	187.50	108.38	162.46	129.69	108.18	62.53	93.75	54.19	75.00	43.35
50.0	416.67	240.39	138.95	208.34	120.43	180.51	144.10	120.20	69.48	104.17	60.21	83.34	48.17
55.0	458.34	264.43	152.85	229.17	132.47	198.56	158.51	132.22	76.43	114.59	66.24	91.67	52.99
60.0	500.00	288.47	166.75	250.00	144.51	216.61	172.91	144.23	83.37	125.00	72.25	100.00	57.80

Example

Amperage single-phase supplied (1 ph)

$$\frac{\text{Watts}}{\text{Volts}} = \text{amp.}$$

Amperage three-phase supplied (3 ph)

$$\frac{\text{Watts}}{\text{Volts X 1.73}} = \text{amp.}$$

Resistance (ohms)

$$\frac{\text{Volts}^2}{\text{Watts}} = \text{ohms or } \frac{\text{Volts X Volts}}{\text{Watts}} = \text{ohms}$$

LIMITED PRODUCT WARRANTY

Thomas & Betts Corporation warrants to the original owner-user that this Reznor product will be free from defects in material or workmanship. This warranty is limited to twelve (12) months from the date of original installation, whether or not actual use begins on that date, or eighteen (18) months from date of shipment by Thomas & Betts Corporation, whichever occurs first.

LIMITATIONS AND EXCLUSIONS

Thomas & Betts Corporation's obligations under this warranty and the sole remedy for its breach are limited to repair, at its manufacturing facility, of any part or parts of its Reznor products which prove to be defective; or, in its sole discretion, replacement of such products. All returns of defective parts or products must include the product model number and serial number, and must be made through an authorized Reznor distributor or arranged through Reznor Customer Service. Authorized returns must be shipped prepaid. Repaired or replacement parts will be shipped by Thomas & Betts F.O.B. shipping point.

1. The warranty provided herein does not cover charges for labor or other costs incurred in the troubleshooting, repair, removal, installation, service or handling of parts or complete products.

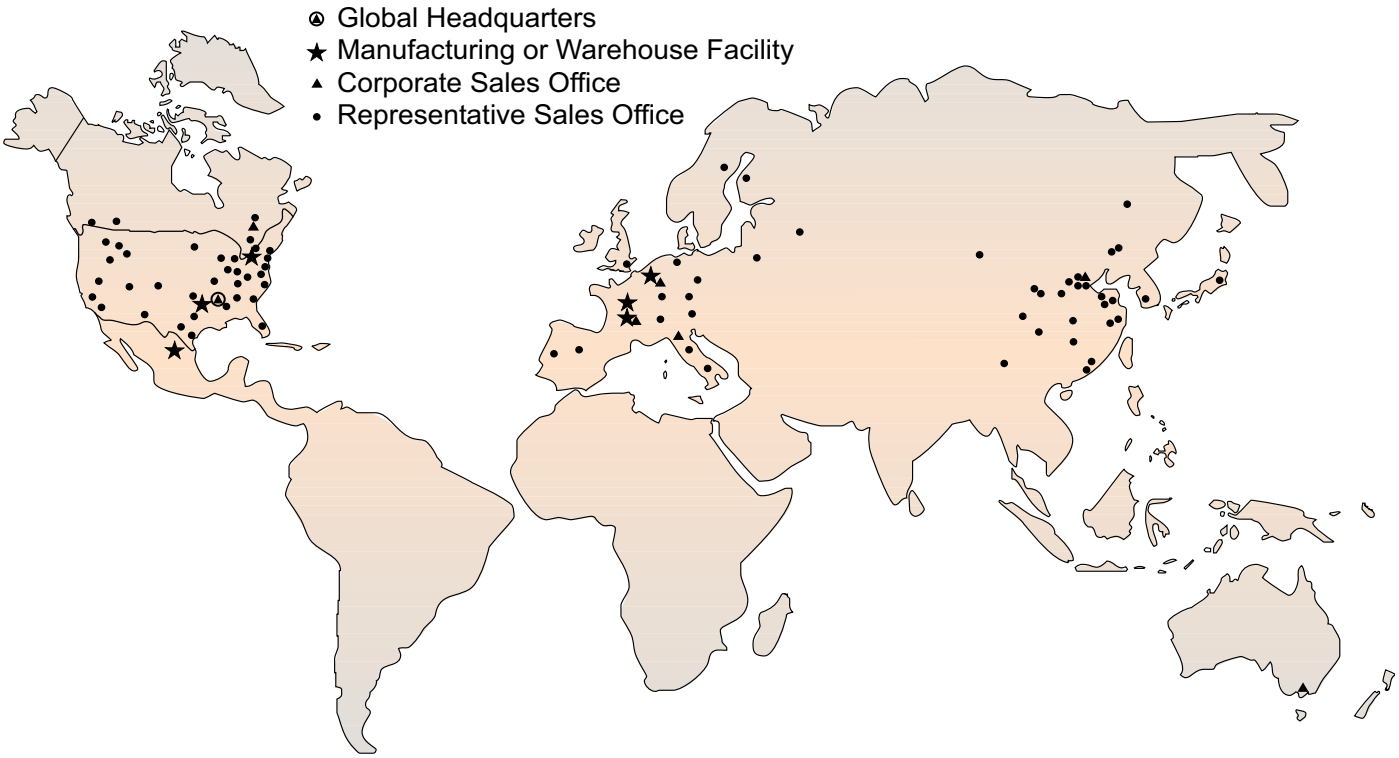
2. All claims under the warranty provided herein must be made within ninety (90) days from the date of discovery of the defect. Failure to notify Thomas & Betts of a warranted defect within ninety (90) days of its discovery voids Thomas & Betts's obligations hereunder.

3. The warranty provided herein shall be void and of no effect in the event that (a) the product has been operated outside its designed output capacity (heating, cooling, airflow); (b) the product has been subjected to misuse, neglect, accident, improper or inadequate maintenance, corrosive environments, environments containing airborne contaminants (silicone, aluminum oxide, etc.), or excessive thermal shock; (c) unauthorized modifications are made to the product; (d) the product is not installed or operated in compliance with the manufacturer's printed instructions; (e) the product is not installed and operated in compliance with applicable building, mechanical, plumbing and electrical codes; or (f) the serial number of the product has been altered, defaced or removed.

4. The warranty provided herein is for repair or replacement only. Thomas & Betts Corporation shall not be liable for any loss, cost, damage, or expense of any kind arising out of a breach of the warranty. Further, Thomas & Betts Corporation shall not be liable for any incidental, consequential, exemplary, special, or punitive damages, nor for any loss of revenue, profit or use, arising out of a breach of this warranty or in connection with the sale, maintenance, use, operation or repair of any Reznor product. In no event will Thomas & Betts be liable for any amount greater than the purchase price of a defective product. The disclaimers of liability included in this paragraph 4 shall remain in effect and shall continue to be enforceable in the event that any remedy herein shall fail of its essential purpose.

5. THIS WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY FOR REZNOR PRODUCTS, AND IS IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES. THOMAS & BETTS CORPORATION SPECIFICALLY DISCLAIMS ALL OTHER EXPRESS AND IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. No person or entity is authorized to bind Thomas & Betts Corporation to any other warranty, obligation or liability for any Reznor product. Installation, operation or use of the Reznor product for which this warranty is issued shall constitute acceptance of the terms hereof.

Reznor® is your global source for heating, ventilating and air conditioning equipment.



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For more information on Reznor HVAC Equipment, contact your local Reznor Representative by calling 800-695-1901.
Or, find us on the internet at www.RezSpec.com

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